

APPENDIX E

2007 PROGRAM MODELING DEMONSTRATION

aim2x75.in

MOBILE6 INPUT FILE :
POLLUTANTS : HC NOX
RUN DATA
*
> Baton Rouge NAA I/M Performance Standard Equivalency Demonstration
> Evaluation date: January 2007
> Annual Program
> I/M Effectiveness: 75%
> 2 model year exemptions for I/M
NO REFUELING :
MIN/MAX TEMP : 72.3 94.8
FUEL RVP : 7.8
I/M DESC FILE : aim75.d
ANTI-TAMP PROG : 00 80 50 22222 21111111 1 11 072. 22222222
*
SCENARIO REC : Urban Arterial, 19.6 mph
CALENDAR YEAR : 2007
ALTITUDE : 1
AVERAGE SPEED : 19.6 Arterial 0.0 100.0 0.0 0.0

END OF RUN

Aim75.in

* Baton Rouge On Board Diagnostics Program (exhaust)
*
I/M PROGRAM : 1 2002 2050 1 TRC OBD I/M
I/M MODEL YEARS : 1 1996 2050
I/M VEHICLES : 1 22222 21111111 1
I/M STRINGENCY : 1 20.0
I/M EFFECTIVENESS : 0.75 0.75 0.75
I/M COMPLIANCE : 1 96.0
I/M WAIVER RATES : 1 0.0 0.0
I/M GRACE PERIOD : 1 2
*
* Baton Rouge I/M Programs (evaporative)
*
I/M PROGRAM : 2 2000 2001 1 TRC GC
I/M MODEL YEARS : 2 1980 2001
I/M VEHICLES : 2 22222 21111111 1
I/M COMPLIANCE : 2 96.0
*
I/M PROGRAM : 3 2002 2006 1 TRC GC
I/M MODEL YEARS : 3 1980 2006
I/M VEHICLES : 3 11111 21111111 1
I/M COMPLIANCE : 3 96.0
*
I/M PROGRAM : 4 2002 2050 1 TRC EVAP OBD & GC
I/M MODEL YEARS : 4 1996 2050
I/M VEHICLES : 4 22222 11111111 1
I/M STRINGENCY : 4 20.0
I/M COMPLIANCE : 4 96.0
I/M GRACE PERIOD : 4 2
*
I/M PROGRAM : 5 2007 2050 1 TRC EVAP OBD & GC
I/M MODEL YEARS : 5 2007 2050
I/M VEHICLES : 5 11111 21111111 1
I/M STRINGENCY : 5 20.0
I/M COMPLIANCE : 5 96.0
I/M GRACE PERIOD : 5 2

AIM2x75.TXT

* MOBILE6.2.03 (24-Sep-2003)

* Input file: C:\MOBILE6\RUN\PERFSTD\2007\ANNUAL\AIM2X (file 1, run 1).

* Baton Rouge NAA I/M Performance Standard Equivalency Demonstration

* Evaluation date: January 2007

* Annual Program

* I/M Effectiveness: 75%

* 2 model year exemptions for I/M

M603 Comment: User has disabled the calculation of REFUELING emissions.

* Reading I/M program description records from the following external

* data file: AIM75.D

* ##### ###### ####### ###### ###### ######

* Urban Arterial, 19.6 mph

* File 1, Run 1, Scenario 1.

* ##### ###### ###### ###### ###### ######

M583 Warning:

The user supplied arterial average speed of 19.6 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

*** I/M credits for Tech1&2 vehicles were read from the following external data file: TECH12.D

M 48 Warning: there are no sales for vehicle class HDGV8b

Calendar Year: 2007 Month: Jan. Altitude: Low

Minimum Temperature: 72.3 (F)

Maximum Temperature: 94.8 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 7.8 psi

Weathered RVP: 7.4 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000		>6000	(All)						

VMT Distribution:	0.3947	0.3556	0.1213		0.0356	0.0004	0.0019	0.0849	0.0055	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite VOC :	1.023	0.991	1.704	1.172	1.627	0.454	0.822	0.701	2.68	1.097
-----------------	-------	-------	-------	-------	-------	-------	-------	-------	------	-------

Composite NOX :	0.785	0.904	1.324	1.011	3.073	0.832	1.084	9.342	0.94	1.702
-----------------	-------	-------	-------	-------	-------	-------	-------	-------	------	-------

07noim.in

MOBILE6 INPUT FILE :

POLLUTANTS : HC NOX

RUN DATA

> Baton Rouge NAA I/M Performance Standard Equivalency Demonstration
> Scenario Modeled: No I/M, January 2007

NO REFUELING :

MIN/MAX TEMP : 72.3 94.8

FUEL RVP : 7.8

*

SCENARIO REC : Urban Arterial, 19.6 mph

CALENDAR YEAR : 2007

ALTITUDE : 1

AVERAGE SPEED : 19.6 Arterial 0.0 100.0 0.0 0.0

END OF RUN

07NOIM.TXT

* MOBILE6.2.03 (24-Sep-2003)

* Input file: C:\MOBILE6\RUN\PERFSTD\2007\ANNUAL\07NOI (file 1, run 1).

* Baton Rouge NAA I/M Performance Standard Equivalency Demonstration

* Scenario Modeled: No I/M, January 2007

M603 Comment:

User has disabled the calculation of REFUELING emissions.

* ##### ###### ####### ###### ######

* Urban Arterial, 19.6 mph

* File 1, Run 1, Scenario 1.

* ##### ###### ####### ###### ######

M583 Warning: The user supplied arterial average speed of 19.6 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M 48 Warning: there are no sales for vehicle class HDGV8b

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 72.3 (F)

Maximum Temperature: 94.8 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 7.8 psi

Weathered RVP: 7.4 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: No

Evap I/M Program: No

ATP Program: No

Reformulated Gas: No

Vehicle Type: GVWR:	LDGV -----	LDGT12 <6000 -----	LDGT34 >6000 -----	LDGT (All) -----	HDGV -----	LDDV -----	LDDT -----	HDDV -----	MC -----	All Veh -----
VMT Distribution:	0.3947	0.3556	0.1213		0.0356	0.0004	0.0019	0.0849	0.0055	1.0000

Composite Emission Factors (g/mi):

Composite VOC :	1.098	1.093	1.831	1.281	1.659	0.454	0.822	0.701	2.68	1.180
Composite NOX :	0.858	1.002	1.444	1.114	3.073	0.832	1.084	9.342	0.94	1.781